

**CYBER OPERATIONS ANTI NETWORK TERRORISM (A.N.T.)
GATEWAY TOOL PILOT REPORT**

**30 MAY 2003
DISA CENTER FOR IA APPLICATIONS**



**PREPARED FOR:
CENTER FOR INFORMATION ASSURANCE ENGINEERING
AND THE DISA INFORMATION ASSURANCE EXECUTIVE**

Executive Summary

Background. Cyber Operations Anti-Network Terrorism system (A.N.T.) Pro-Defense was piloted, tested and evaluated during May 2003 for full deployment at all Internet-NIPRNET gateways. The purpose of the testing was to assess:

- Ease of Operation
- Interoperability and interface compatibility with existing architecture
- Ability to change, insert, delete, merge, and manage multiple large filter updates and baselines up to 50,000 entries
- Implement changes across entire theater within 10 minutes
- Help track filter list changes for later removal/replacement
- Demonstrate hierarchical control and oversight capabilities

Results. Testing and evaluation was satisfactorily completed on 23 May 2003. Major findings are as follows:

- The system met the requirements for ease of operation
- The system met the requirements for interoperability and interface compatibility with existing architecture
- The system met the requirements for ability to change, insert, delete, merge, and manage multiple large filter updates and baselines up to 50,000 entries
- The system met the requirements for implementing changes across entire theater within 10 minutes
- The system met the requirements for tracking filter list changes for later removal/replacement

Recommendation. The Cyber Operations Anti Network Terrorism system has the capability to meet the current requirements for device management and filter management at the NIPRNet-Internet Gateways. The system provides more transmission security than is possible with other systems performing the same tasks. The few reporting deficiencies remaining can be overcome using CONOPS until the vendor offers the fixes in an upgrade of the current code. Overall, the system seems to be the best available choice for filter management at the gateways.